

# ABSTRACT OF THE DISCLOSURE

To reduce noise caused by pulsation generated when fluid is expelled, in a trochoidal pump comprising an inner rotor and outer rotor having trochoidal toothed shapes.

[Means of Solution] The inner rotor 5 and outer rotor 6 having trochoidal toothed shapes are set in such a manner that when they are in a mutually intermeshing state, a tip clearance  $d_0$  is created between the respective tooth crests 5a of the inner rotor 5 and the outer rotor 6. In at least one position of this group of tip clearances  $d_0$ , a large clearance  $d_1$  forming a large interval is provided.